

FIG. 1

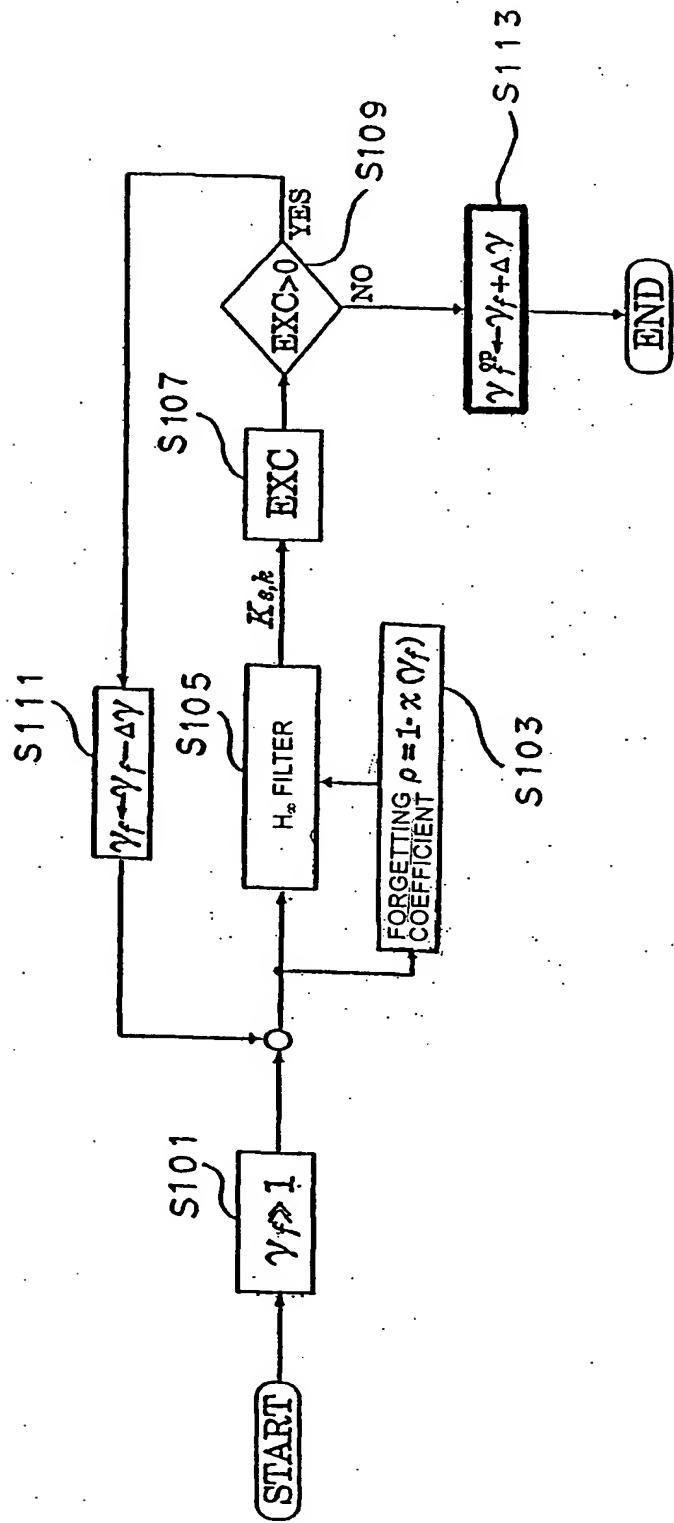


FIG. 2

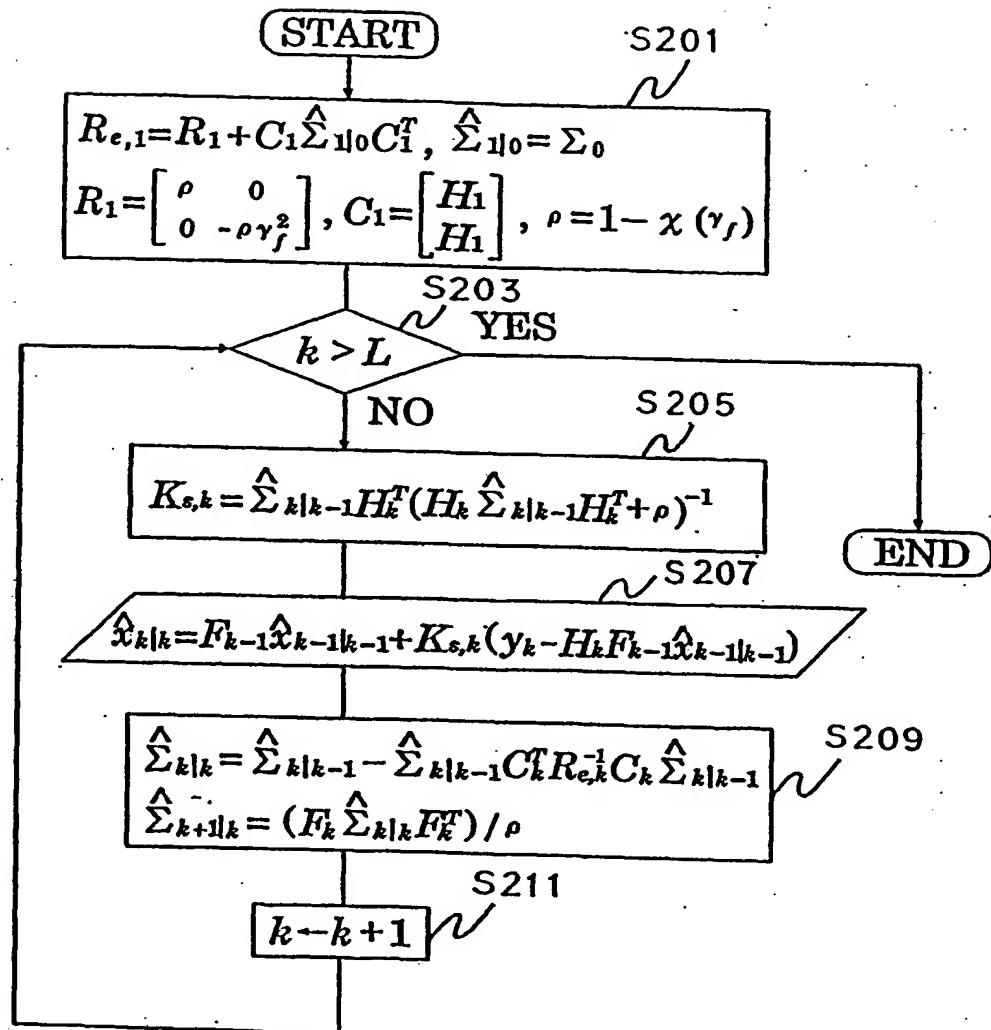


FIG. 3

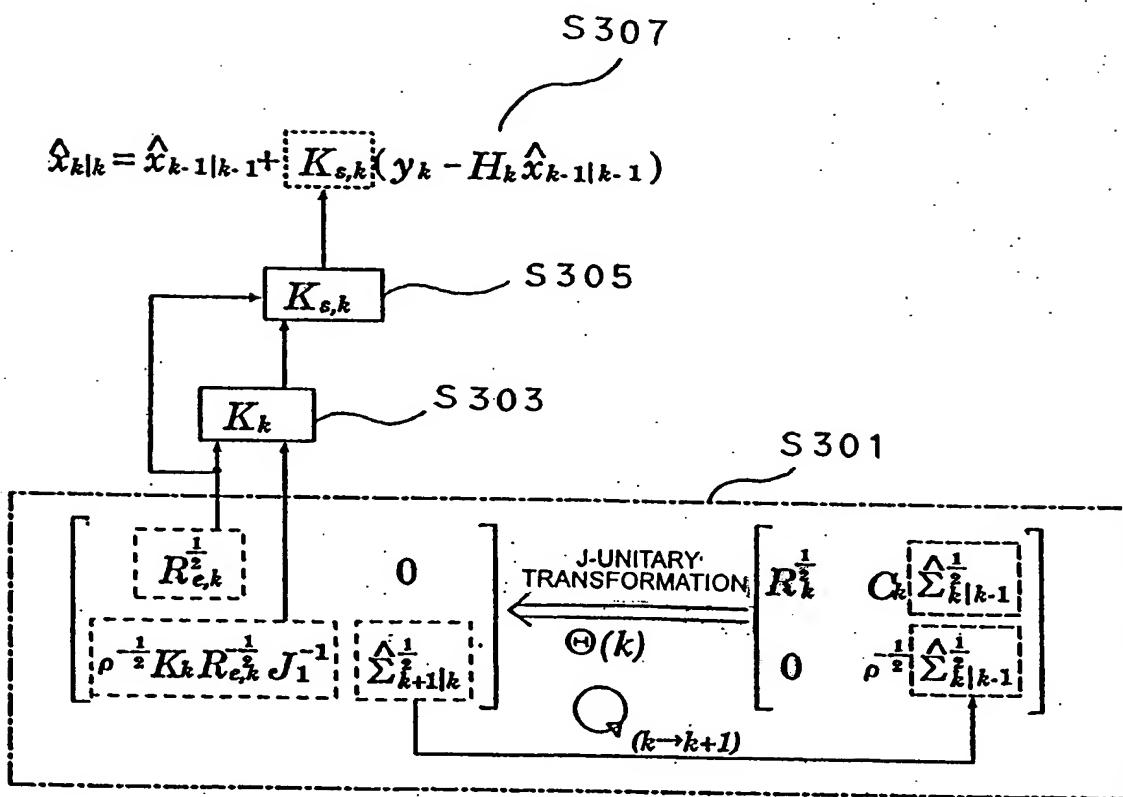


FIG. 4

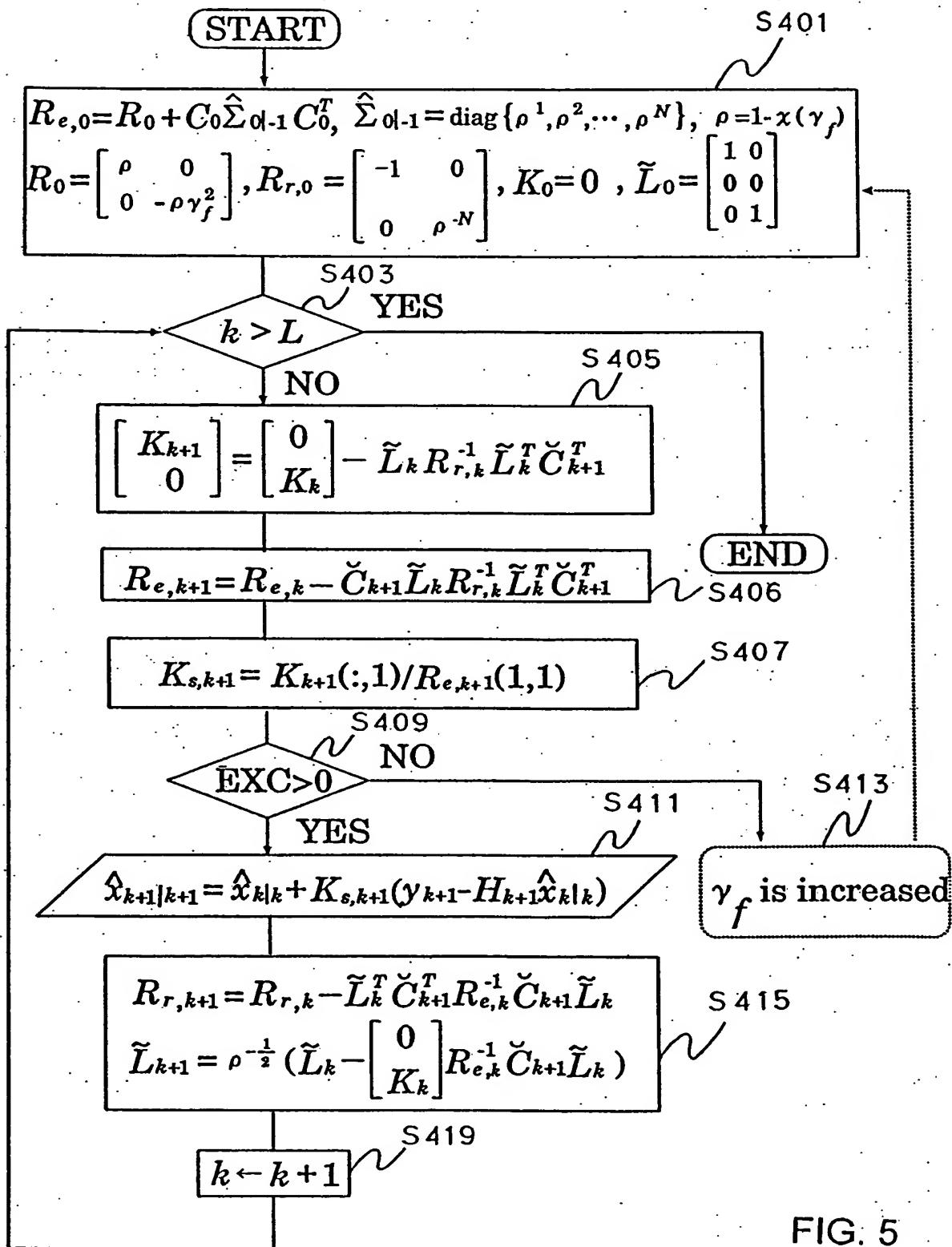


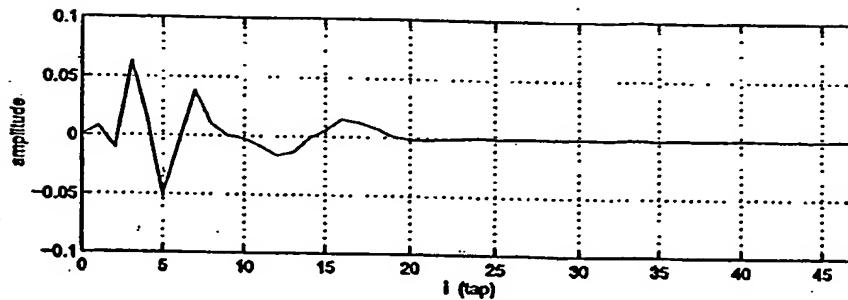
FIG. 5

IMPULSE RESPONSE OF ECHO PATH

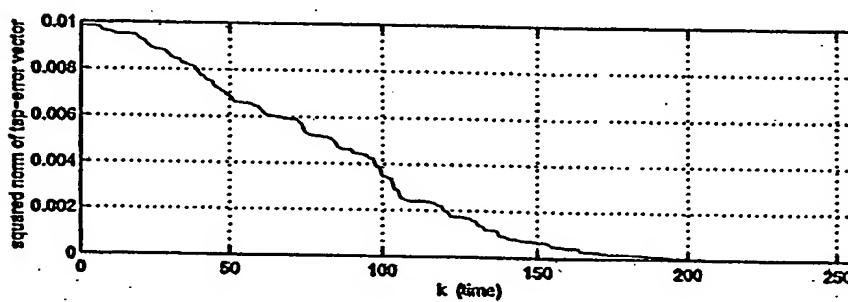
$h_0$	$h_1$	$h_2$	$h_3$	$h_4$	$h_5$
0.0	0.008	-0.012	0.064	0.013	-0.052
$h_6$	$h_7$	$h_8$	$h_9$	$h_{10}$	$h_{11}$
-0.007	0.039	0.011	0.0	-0.002	-0.009
$h_{12}$	$h_{13}$	$h_{14}$	$h_{15}$	$h_{16}$	$h_{17}$
-0.016	-0.013	-0.001	0.004	0.015	0.013
$h_{18}$	$h_{19}$	$h_{20}$	$h_{21}$	$h_{22}$	$h_{23}$
0.007	0.0	-0.001	-0.002	-0.001	0.0

FIG. 6

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(a) ESTIMATED VALUE OF IMPULSE RESPONSE



(b) TRANSITION OF TAP ERROR

FIG. 7

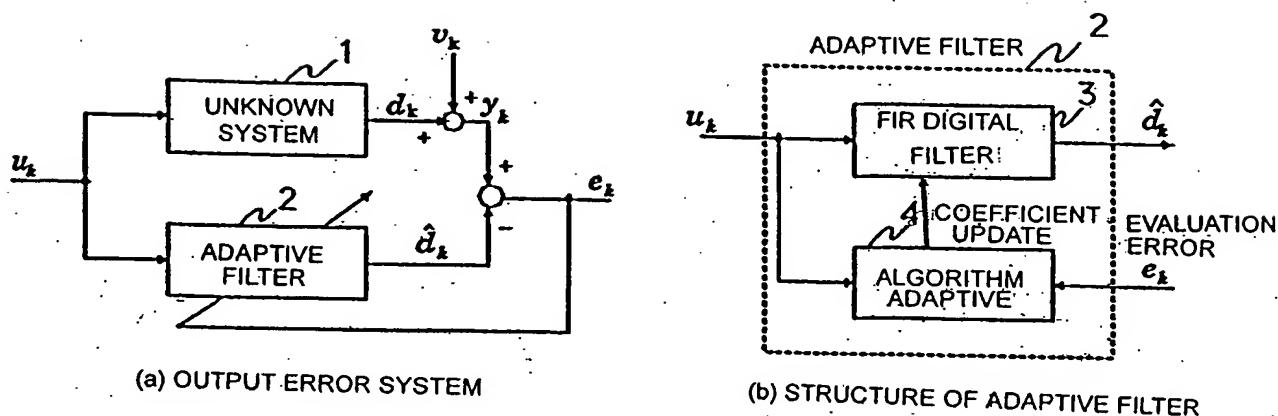


FIG. 8

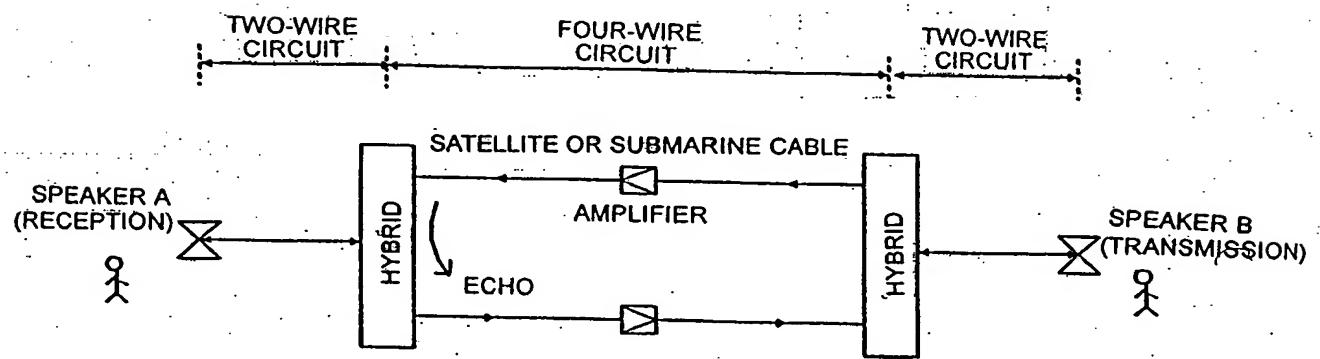


FIG. 9

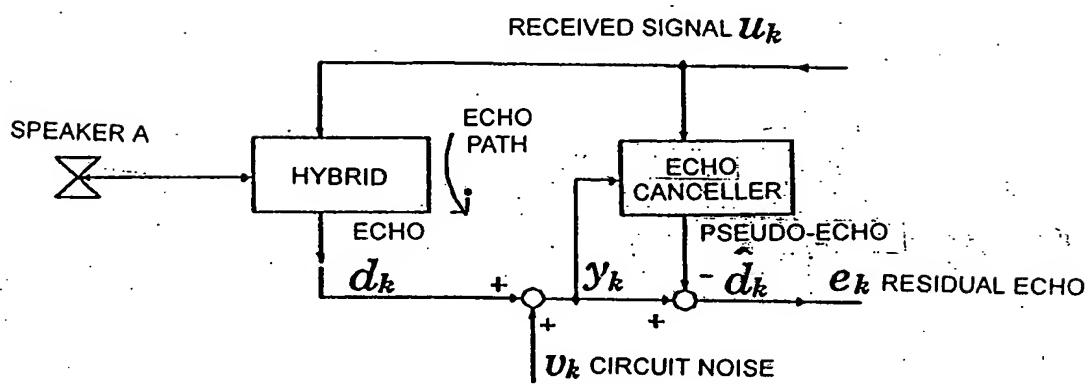


FIG. 10